

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (canceled).
2. (currently amended): A method of allocating packet mode resources in a mobile radio system, said method comprising:

a mobile station sending to the network a packet mode resource request, said mobile station using, in accordance with its requirements, one of different types of packet mode resource requests, corresponding to different transfer modes that it supports, said different transfer modes including the GPRS (General Packet Radio Service) and EGPRS (Enhanced General Packet Radio Service) modes,

for the requirements of signaling data transfer, said mobile station using a type of packet set mode resource request corresponding to EGPRS mode, including cause data specifying signaling data transfer requirements for the requirements of signaling data transfer, said mobile station using a type of packet mode resource request corresponding to a transfer mode best suited to the requirements of a user data transfer, including cause data specifying signaling data transfer requirements.

Claims 3-7 are canceled.

8. (currently amended): The method claimed in claim 1 A method of allocating packet mode resources in a mobile radio system, said method comprising:
a mobile station sending to the network a packet mode resource request,

said mobile station using, in accordance with its requirements one of different types of packet mode resource requests corresponding to different transfer modes that it supports,

for the requirements of signaling data transfer in an uplink direction, said signaling generates an allocation of packet mode resources in a downlink direction for user data transfer,
said mobile station using a type of packet mode resource request corresponding to a transfer mode best suited to the requirements of said user data transfer,

wherein said signaling data transfer requirements include requirements for transfer of signaling messages in accordance with a mobility management protocol.

9. (original): The method claimed in claim 8 wherein said signaling messages include a cell update message sent in the event of cell reselection during a current user data transfer.

10. (original): The method claimed in claim 8 wherein said signaling messages include a paging response message in packet mode prior to a transfer of user data in the downlink direction.

11. (currently amended): The method claimed in claim 1 A method of allocating packet mode resources in a mobile radio system, said method comprising:

a mobile station sending to the network a packet mode resource request,
said mobile station using, in accordance with its requirements one of different types of packet mode resource requests corresponding to different transfer modes that it supports,
for the requirements of signaling data transfer in an uplink direction, said signaling generates an allocation of packet mode resources in a downlink direction for user data transfer,
said mobile station using a type of packet mode resource request corresponding to a transfer mode best suited to the requirements of said user data transfer,

wherein said user data transfer includes a transfer of data in accordance with the Transmission Control Protocol (TCP).

12. (currently amended): The method claimed in claim 1- A method of allocating packet mode resources in a mobile radio system, said method comprising:

a mobile station sending to the network a packet mode resource request,
said mobile station using, in accordance with its requirements one of different types of
packet mode resource requests corresponding to different transfer modes that it supports,

for the requirements of signaling data transfer in an uplink direction, said signaling
generates an allocation of packet mode resources in a downlink direction for user data transfer,
said mobile station using a type of packet mode resource request corresponding to a transfer
mode best suited to the requirements of said user data transfer,

wherein a message used to transmit a type of packet mode resource request that corresponds to an transfer mode best suited to the requirements of a user data transfer Enhanced
General Packet Radio Service (EGPRS) is the EGPRS PACKET CHANNEL REQUEST message.

13. (previously presented): The method claimed in claim 12 wherein said EGPRS PACKET CHANNEL REQUEST message includes cause data specifying signaling data transfer requirements.

Claims 14-15 are canceled

16. (currently amended): A mobile station comprising:
means for sending a packet mode resource request to the network,
means for using, in accordance with its requirements, one of different types of packet mode resource requests corresponding to different transfer modes that it supports, said different

transfer modes including the GPRS (General Packet Radio Service) and EGPRS (Enhanced General Packet Radio Service) modes,

means for using, for the requirements of signaling data transfer, a type of packet mode resource request corresponding to the EGPRS mode a transfer mode best suited to the requirements of a user data transfer, including cause data specifying signaling data transfer requirements.

17. (currently amended): A mobile radio network equipment comprising:
means for receiving a packet mode resource request from a mobile station
means for receiving from a mobile station one of different types of packet mode resource requests corresponding to different transfer modes supported by said mobile station. said different transfer modes including the GPRS (General Packet Radio Service) and EGPRS (Enhanced General Packet Radio Service) modes, and said one of different packet mode resource requests being used by said mobile station in accordance with its requirements,

means for receiving from a mobile station a packet mode resource request used by said mobile station, for the requirements of signaling data transfer, said packet mode resource request corresponding to the EGPRS mode a transfer mode best suited to the requirements of said user data transfer, including cause data specifying signaling data transfer requirements.

Claims 18-22 are canceled

23. (previously presented): The mobile station claimed in claim 16 wherein said signaling data transfer requirements include requirements for transfer of signaling messages in accordance with a mobility management protocol.

24. (previously presented): The mobile station claimed in claim 16 wherein said signaling messages include a cell update message sent in the event of cell reselection during a current user data transfer.

25. (previously presented): The mobile station claimed in claim 16 wherein said signaling messages include a paging response message in packet mode prior to a transfer of user data in the downlink direction.

26. (previously presented): The mobile station claimed in claim 16 wherein said user data transfer includes a transfer of data in accordance with the Transmission Control Protocol (TCP).

27. (currently amended): The mobile station claimed in claim 16 wherein a message used to transmit a type of packet mode resource request that corresponds to the EGPRS mode a transfer mode best suited to the requirements of a user data transfer is an Enhanced General Packet Radio Service (EGPRS) PACKET CHANNEL REQUEST message.

28. (currently amended): The mobile station claimed in claim 16 wherein ~~an Enhanced General Packet Radio Service (the EGPRS)~~ PACKET CHANNEL REQUEST message includes cause data specifying signaling data transfer requirements.

Claims 29-33 are canceled

34. (previously presented): The mobile radio network equipment claimed in claim 17, wherein said signaling data transfer requirements include requirements for transfer of signaling messages in accordance with a mobility management protocol.

35. (previously presented): The mobile radio network equipment claimed in claim 17, wherein said signaling messages include a cell update message sent in the event of cell reselection during a current user data transfer.

36. (previously presented): The mobile radio network equipment claimed in claim 17, wherein said signaling messages include a paging response message in packet mode prior to a transfer of user data in the downlink direction.

37. (previously presented): The mobile radio network equipment claimed in claim 17, wherein said user data transfer includes a transfer of data in accordance with a Transmission Control Protocol (TCP).

38. (currently amended): The mobile radio network equipment claimed in claim 17, wherein a message used to transmit a type of packet mode resource request that corresponds to the EGPRS mode a transfer mode best suited to the requirements of a user data transfer is an Enhanced General Packet Radio Service (the EGPRS) PACKET CHANNEL REQUEST message.

38. (currently amended): The mobile radio network equipment claimed in claim 17, wherein a message used to transmit a type of packet mode resource request that corresponds to a transfer mode best suited to the requirements of a user data transfer is an Enhanced General Packet Radio Service (the EGPRS) PACKET CHANNEL REQUEST message.

39. (currently amended): The mobile radio network equipment claimed in claim 17, wherein an Enhanced General Packet Radio Service (the EGPRS) PACKET CHANNEL REQUEST message includes cause data specifying signaling data transfer requirements.